
Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)

217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2010; month=6; day=22; hr=11; min=0; sec=21; ms=256;]

Reviewer Comments:

<210> 1

<211> 16

<212> DNA

<213> ARTIFICIAL SEQUENCE

<220>

<221> Modified-base

<222> (1), (2), (3), (13), (14), (15)

<223> beta-D-amino-LNA Monomer

<400> 1

tccqtcatcq ctcctc

16

Ideally, the explanation for "<213> Artificial Sequence" should be in a separate <220>-<223> section. See below for example:

<213> Artificial Sequence

<220>

<223> beta-D-amino-LNA Monomer

Please use "modified_base" as the <221> response; it corresponds with the WIPO Table 5. Please indicate the base(s) modification in a separate <220>-<223> section; see below:

<220>

<221> modified_base

<222> (1), (2), (3), (13), (14), (15)

<223> please indicate the modification in the <223> response

The above errors also appear in subsequent sequences.

<210> 8

<211> 16

<212> DNA

<213> ARTIFICIAL SEQUENCE

<220> FEATURE

<221> Modified-base

<222> (1), (2), (3), (13), (14), (15)

<223> beta-D-amino-LNA Monomer

<400> 8

tccgtcatcg ctcctc

16

Please follow the above-mentioned corrections. Also, please remove "FEATURE" from the <220> response: <220> never has a response: it is a "header" only. Same error in Sequence 11.

<210> 16

<211> 15

<212> DNA

<213> ARTIFICIAL SEQUENCE

<220>

<221> (1), (2), (3), (4), (12), (13), (14), (15), (16)

<223> beta-D-thio-LNA Monomer

<400> 16

tttgtcatcg tcttt

15

The above <220>-<223> section needs correcting (per the above suggestions). The <221 response shows "16": there are only 15 nucleotides in the sequence.

<210> 23

<211> 16

<212> DNA

<213> ARTIFICIAL SEQUENCE

<220> Modified-base <222> alpha-L-oxy-LNA Monomer

<400> 23 ttccgtcatc gtcttt

16

Please remove the <220> response: <220> never has a response. Please ensure that no <220> has a response. Please correct the <220>-<223> section, per the above directions.

Validated By CRFValidator v 1.0.3

Application No: 10535472 Version No: 2.0

Input Set:

Output Set:

Started: 2010-06-10 17:54:46.987

Finished: 2010-06-10 17:54:53.731

Elapsed: 0 hr(s) 0 min(s) 6 sec(s) 744 ms

Total Warnings: 32

Total Errors: 61

No. of SeqIDs Defined: 30

Error code		Error Description
W	213	Artificial or Unknown found in <213> in SEQ ID (1)
E	257	Invalid sequence data feature in <221> in SEQ ID (1)
E	224	<220>, <223> section required as $<213>$ has Artificial sequence or Unknown in SEQID (1)
W	213	Artificial or Unknown found in <213> in SEQ ID (2)
E	257	Invalid sequence data feature in <221> in SEQ ID (2)
E	224	<220>, $<223>$ section required as $<213>$ has Artificial sequence or Unknown in SEQID (2)
W	213	Artificial or Unknown found in <213> in SEQ ID (3)
E	257	Invalid sequence data feature in <221> in SEQ ID (3)
E	224	<220>, <223> section required as $<213>$ has Artificial sequence or Unknown in SEQID (3)
W	213	Artificial or Unknown found in <213> in SEQ ID (4)
E	257	Invalid sequence data feature in <221> in SEQ ID (4)
E	224	<220>, $<223>$ section required as $<213>$ has Artificial sequence or Unknown in SEQID (4)
W	213	Artificial or Unknown found in <213> in SEQ ID (5)
E	257	Invalid sequence data feature in <221> in SEQ ID (5)
E	224	<220>, $<223>$ section required as $<213>$ has Artificial sequence or Unknown in SEQID (5)
W	213	Artificial or Unknown found in <213> in SEQ ID (6)
E	257	Invalid sequence data feature in <221> in SEQ ID (6)

Input Set:

Output Set:

Started: 2010-06-10 17:54:46.987 **Finished:** 2010-06-10 17:54:53.731

Elapsed: 0 hr(s) 0 min(s) 6 sec(s) 744 ms

Total Warnings: 32

Total Errors: 61

No. of SeqIDs Defined: 30

Error code		Error Description
E	224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (6)
W	213	Artificial or Unknown found in <213> in SEQ ID (7)
E	257	Invalid sequence data feature in <221> in SEQ ID (7)
E	224	<220>, $<223>$ section required as $<213>$ has Artificial sequence or Unknown in SEQID (7)
W	213	Artificial or Unknown found in <213> in SEQ ID (8)
E	311	Invalid field content in <220> in SEQ ID (8)
E	257	Invalid sequence data feature in <221> in SEQ ID (8)
E	224	<220>, $<223>$ section required as $<213>$ has Artificial sequence or Unknown in SEQID (8)
W	213	Artificial or Unknown found in <213> in SEQ ID (9)
E	257	Invalid sequence data feature in <221> in SEQ ID (9)
W	401	Unrecognized range formatin <222> in SEQID (9)
E	224	<220>, $<223>$ section required as $<213>$ has Artificial sequence or Unknown in SEQID (9)
W	213	Artificial or Unknown found in <213> in SEQ ID (10)
E	257	Invalid sequence data feature in <221> in SEQ ID (10)
E	224	$<\!220\!>, <\!223\!>$ section required as $<\!213\!>$ has Artificial sequence or Unknown in SEQID (10)
W	213	Artificial or Unknown found in <213> in SEQ ID (11)
E	311	Invalid field content in <220> in SEQ ID (11)
E	224	<220>, <223> section required as $<213>$ has Artificial sequence or Unknown in SEQID (11)
W	213	Artificial or Unknown found in <213> in SEQ ID (12)

Input Set:

Output Set:

Started: 2010-06-10 17:54:46.987 **Finished:** 2010-06-10 17:54:53.731

Elapsed: 0 hr(s) 0 min(s) 6 sec(s) 744 ms

Total Warnings: 32

Total Errors: 61

No. of SeqIDs Defined: 30

Error code		Error Description
E	257	Invalid sequence data feature in <221> in SEQ ID (12)
E	224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (12)
W	213	Artificial or Unknown found in <213> in SEQ ID (13)
E	257	Invalid sequence data feature in <221> in SEQ ID (13)
E	224	<220>, $<223>$ section required as $<213>$ has Artificial sequence or Unknown in SEQID (13)
W	213	Artificial or Unknown found in <213> in SEQ ID (14)
E	257	Invalid sequence data feature in <221> in SEQ ID (14)
E	224	<220>, $<223>$ section required as $<213>$ has Artificial sequence or Unknown in SEQID (14)
W	213	Artificial or Unknown found in <213> in SEQ ID (15)
E	257	Invalid sequence data feature in <221> in SEQ ID (15)
E	224	<220>, $<223>$ section required as $<213>$ has Artificial sequence or Unknown in SEQID (15)
W	213	Artificial or Unknown found in <213> in SEQ ID (16)
E	257	Invalid sequence data feature in <221> in SEQ ID (16)
E	224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (16)
W	213	Artificial or Unknown found in <213> in SEQ ID (17)
E	257	Invalid sequence data feature in <221> in SEQ ID (17)
E	224	<220>, $<223>$ section required as $<213>$ has Artificial sequence or Unknown in SEQID (17)
W	213	Artificial or Unknown found in <213> in SEQ ID (18)
E	257	Invalid sequence data feature in <221> in SEQ ID (18)

Input Set:

Output Set:

Started: 2010-06-10 17:54:46.987 **Finished:** 2010-06-10 17:54:53.731

Elapsed: 0 hr(s) 0 min(s) 6 sec(s) 744 ms

Total Warnings: 32

Total Errors: 61

No. of SeqIDs Defined: 30

Error code		Error Description
E	224	<220>, $<223>$ section required as $<213>$ has Artificial sequence or Unknown in SEQID (18)
W	213	Artificial or Unknown found in <213> in SEQ ID (19)
E	257	Invalid sequence data feature in <221> in SEQ ID (19)
E	224	<220>, $<223>$ section required as $<213>$ has Artificial sequence or Unknown in SEQID (19)
W	213	Artificial or Unknown found in <213> in SEQ ID (20) This error has occured more than 20 times, will not be displayed
E	257	Invalid sequence data feature in <221> in SEQ ID (20)
E	224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (20) This error has occured more than 20 times, will not be displayed
E	257	Invalid sequence data feature in <221> in SEQ ID (21) This error has occured more than 20 times, will not be displayed
E	311	Invalid field content in <220> in SEQ ID (23)
W	401	Unrecognized range formatin <222> in SEQID (23)

SEQUENCE LISTING

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<110> Christenson, Signe M.
     Mikkelsen, Nikolaj D.
     Frieden, Miriam
      Hansen, Henrik F.
      Koch, Troels
      Pedersen, Daniel S.
      Rosenbohm, Christoph
      Thrue, Charlotte A.
      Westergaard, Majken
<120> AMINO-LNA, THIO-LNA and ALPHA-L-OXY-LNA
<130> 22460-0003US1
<140> 10535472
<141> 2010-06-10
<150> PCT/DK03/00788
<151> 2003-11-18
<150> PA2002/01744
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<223> beta-D-thio-LNA Monomer
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<400> 15

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<220>

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<213> ARTIFICIAL SEQUENCE
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<222> (1), (2), (3), (13), (14), (15)
<223> alpha-L-oxy-LNA Monomer
<400> 30
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